

From glowbugs@theporch.com Sun Feb 4 10:38:43 1996
Return-Path: glowbugs@theporch.com
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.7.3/AUX-3.1.1) with SMTP id KAA14308; Sun, 4 Feb 1996 10:33:13 -0600 (CST)
Date: Sun, 4 Feb 1996 10:33:13 -0600 (CST)
Message-Id: <199602041633.KAA14308@uro.theporch.com>
Errors-To: ws4s@midtenn.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 95
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 95

Topics covered in this issue include:

- 1) Books by Alfred P. Morgan
by JSchanker@aol.com

Date: Sat, 3 Feb 1996 18:02:58 -0500
From: JSchanker@aol.com
To: glowbugs@theporch.com
Subject: Books by Alfred P. Morgan
Message-ID: <960203180257_413787965@mail02.mail.aol.com>

Recent messages about Boys' Book of this and that by Alfred P. Morgan revived my childhood memories. A check of the local (Monroe County NY) library system showed 18 books by Morgan, who died in 1972, still in their collection. A quick trip to the local branch got me the Second and Third Book of Radio and Electronics. I put a reserve on the First Book - it was actually out !

For those who would like a nostalgia trip, the following are the Tables of Contents of these books.

AUTHOR(s): Morgan, Alfred Powell 1889-1972
TITLE(s): The boys' second book of radio and electronics
With diagrs. by the author.
New York, Scribner [1957]
276 p. illus. 22 cm.

The Boy's Second Book of Radio and Electronics by Alfred Morgan (1957)

Foreword by Brig. General David Sarnoff

1. An Adventure in Science
2. Building Your First Radio Receiver
Germanium Semi-conductors
3. How to Build a More Selective Crystal Receiver
4. Taking the Mystery out of Tuning
5. A Simple Outdoor Receiving Antenna
6. Components and Electronic Circuits
Capacitors and Capacitance, Resistors and Controls
7. Transducers - Components of an Electronic Circuit
Earphones, loudspeakers, microphones and pickups
8. Transistors - Versatile Midgets Which Can Do the Work of Vacuum Tubes
9. Transistor Apparatus Which You Can Build
A one-stage audio amplifier
A combination crystal diode and transistor radio receiver
A transistor timer switch
A transistor code practice oscillator
Learning to telegraph
10. About Radio Tubes
11. Introduction to Amplifiers
- 12 The Photocells and Phototubes Which Are Popularly Called Electric Eyes
How to build a phototube relay
13. Prospecting for Uranium
Radioactivity
Geigerscopes
Geiger Counters
Scintillometers
How to make a Geiger Counter
14. How to Build a Two-stage Audio Amplifier
15. How Phonograph Records are Made
Build your own record player

You can play records with the amplifier in a radio receiver
How to build the Hush-a-Tune
Repairs and adjustments to loudspeakers

16. Electron Tubes as Oscillators and Some of Their Uses

Capacity Relays
You can build a capacity relay
Fun with a capacity relay

17. How to Build and Operate a Miniature Home Broadcasting Station

Where to Obtain Materials

AUTHOR(s): Morgan, Alfred Powell, 1889-1972
TITLE(s): The boy's third book of radio and electronics
With diagrs. by the author.
New York, Scribner [1962]
277 p. illus. 22 cm.

The Boys' Third Book of Radio and Electronics by Alfred Morgan (1962)

1. An Introduction to Electricity

Electronics defined. Some of the terms used in Electrical science and Electronics.

The nature of electricity. The Volt , Ampere and Watt. Resistance and Ohm's Law.

2. Inductance, Impedance, Capacitance, and other Qualities of Electric Circuits Which

You should Know About

Electricity creates magnetism. Tuning a radio circuit. Transformers. An experiment with electromagnetic induction. An experiment demonstrating the principle of the transformer.

3. Some of the Components Which Comprise Electronic Circuits

Resistors. Capacitors. Transducers. Headphones. Speakers. Loopsticks.

4. Electron Tubes - Their Purpose - How They Were Developed - How They Function

The Edison Effect. The Fleming Valve. Electron emission. The diode. The triode.

Tetrodes. Pentodes. Multi-unit tubes.

5. The Transistor - What It Is - What It Does - How It Works

Semiconductors. Power Transistors. Sockets and mounts for transistors. Heat sinks.

6. Radio Communications and Electromagnetic Waves

Oscillators. Modulation. What a radio receiver is and how it performs. Selectivity.

A basic radio receiver.

7. Four Simple, Practical Radio Receivers - How To Build and Operate Them

Circuit diagrams. Symbols. A radio receiver with a crystal-diode detector. A radio

receiver with a vacuum tube detector. A radio receiver with a grid-leak detector. A

radio receiver with a transistor detector.

8. Outdoor Antennas for the Receivers

Lightning arrestors. Earth connection.

9. Audio Amplifiers You Can Build

Electron tubes. Transistors as amplifiers. A transistor audio amplifier. A transistorized power megaphone. A two-stage vacuum tube amplifier for a record

player. A 5 Watt push-pull high-fidelity amplifier.

10. You Can Make a Portable Record Player

11. Music From Transistors - The Construction of a Toy Electronic Organ

12. A High-Fidelity Sound System

Sound. The construction of a bass reflex speaker enclosure. Connecting the player,

amplifier and speaker.

13. A Home Intercom System

14. An Opportunity to be Your Own Technician and Electronics Engineer

A sun battery will operate a radio receiver. A sensitive "electric eye" or photo

relay. Code practice oscillator. Simple diode receiver with diode detector and one-

stage audio amplifier. A vest pocket receiver with two-stage audio amplifier.

Where to Obtain Materials

73, Jack W2STM

End of GLOWBUGS Digest 95
